

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-8. (Canceled).

9. (Currently Amended) A communication system comprising:

an access router that communicates with a communication terminal apparatus and transmits a first care-of address and a second care-of address to the communication terminal apparatus;

a mobility anchor point that issues the two care-of addresses of the first care-of address and the second care-of address, which can be used in a predetermined number of cells and which cannot be used in cells other than in the predetermined number of cells which is effective in adjacent cells across a boundary of a first mobility anchor point and a second mobility anchor point, to the communication terminal apparatus that communicates with access routers in the adjacent cells adjacent across the boundary of a first mobility anchor point and a second mobility anchor point, the predetermined number of cells being less than a sum of a number of cells of the first mobility anchor point and a number of cells of the second mobility anchor point and including two cells adjacent across the boundary;

~~a home agent that stores a home address of the communication terminal apparatus, which issues the first care-of address and the second care-of address by the mobility anchor point, in association with the first care-of address and the second care-of address of every communication~~

terminal apparatus, and transmits data that is transmitted to the home address of the communication terminal apparatus, to a destination indicated by the first care-of address and the second care-of address; and

a network that connects the mobility anchor point and the access router, and transmits the first care-of address and the second care-of address issued by the mobility anchor point; and to the home agent

a home agent that registers a home address of the communication terminal apparatus to which the first care-of address and the second care-of address are issued by the mobility anchor point, and the first care-of address and the second care-of address which are transmitted through the network, in association with each other, and transmits data transmitted to the home address of the communication terminal apparatus to a destination indicated by the first care-of address and the second care-of address.

10. (Currently Amended) The communication system according to claim 9, wherein the mobility anchor point makes variable a the number of the predetermined number of adjacent cells in which the second care-of address can be used is effective.

11. (Currently Amended) The communication system according to claim 10, wherein the mobility anchor point detects the moving speed of the communication terminal apparatus, and, when communicating with the communication terminal apparatus moving at high speed, makes the number of the predetermined number of adjacent cells larger than in a case of communicating with the communication terminal apparatus moving at low speed.

12. (Currently Amended) A communication method comprising:

at an access router:

communicating with a communication terminal apparatus and transmitting a first care-of address and a second care-of address to the communication terminal apparatus;
at a mobility anchor point:

issuing the two care-of addresses of the first care-of address and the second care-of address, which can be used in a predetermined number of cells and which cannot be used in cells other than in the predetermined number of cells which is effective in adjacent cells across a boundary of a first mobility anchor point and a second mobility anchor point, to the communication terminal apparatus that communicates with access routers in the adjacent cells adjacent across the boundary of a first mobility anchor point and a second mobility anchor point, the predetermined number of cells being less than a sum of a number of cells of the first mobility anchor point and a number of cells of the second mobility anchor point and including two cells adjacent across the boundary;
at a home agent:

storing a home address of the communication terminal apparatus, which issues the first care-of address and the second care-of address by the mobility anchor point, in association with the first care-of address and the second care-of address of every communication terminal apparatus and transmitting data that is transmitted to the home address of the communication terminal apparatus, to a destination indicated by the first care-of address and the second care-of address; and

at a network:

connecting the mobility anchor point and the access router, and transmitting the first care-of address and the second care-of address issued by the mobility anchor point; and to the home agent

at a home agent:

registering a home address of the communication terminal apparatus to which the first care-of address and the second care-of address are issued by the mobility anchor point, and the first care-of address and the second care-of address which are transmitted through the network, in association with each other, and transmitting data transmitted to the home address of the communication terminal apparatus to a destination indicated by the first care-of address and the second care-of address.

13. (Currently Amended) The communication method according to claim 12, wherein a the number of the predetermined number of adjacent cells in which the second care-of address can be used is effective, is made variable.

14. (Currently Amended) The communication method according to claim 13, wherein the moving speed of the communication terminal apparatus is detected, and, when communicating with the communication terminal apparatus moving at high speed, the number of the predetermined number of adjacent cells is made larger than in a case of communicating with the communication terminal apparatus moving at low speed.

15. (New) The communication system according to claim 9, wherein the predetermined number of cells comprise only the two cells adjacent across the boundary.

16. (New) The communication system according to claim 9, wherein the mobility anchor point issues the first care-of address which can be used only in a cell of the first mobility anchor point or a cell of the second mobility anchor point.

17. (New) The communication system according to claim 9, wherein the mobility anchor point that issues the first care-of address and the second care-of address which are used by the home agent to transmit the data to the mobility anchor point, further issues a third care-of address for identifying the communication terminal apparatus in a network of an access router communicating with the mobility anchor point and registers the third care-of address in the mobility anchor point.

18. (New) The communication system according to claim 9, wherein, when the communication terminal apparatus performs communication using the second care-of address in the predetermined number of cells, the mobility anchor point registers the first care-of address in the home agent.

19. (New) The communication method according to claim 12, wherein the predetermined number of cells comprise only the two cells adjacent across the boundary.

20. (New) The communication method according to claim 12, wherein the mobility anchor point issues the first care-of address which can be used only in a cell of the first mobility anchor point or a cell of the second mobility anchor point.

21. (New) The communication method according to claim 12, wherein the mobility anchor point that issues the first care-of address and the second care-of address which are used by the home agent to transmit the data to the mobility anchor point, further issues a third care-of address for identifying the communication terminal apparatus in a network of an access router communicating with the mobility anchor point and registers the third care-of address in the mobility anchor point.

22. (New) The communication method according to claim 12, wherein, when the communication terminal apparatus performs communication using the second care-of address in the predetermined number of cells, the mobility anchor point registers the first care-of address in the home agent.